



Docket No.: 24061.48 / 2003-0059
Customer No.: 42717

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant:	Chuan-Jen Wu, et al.	§	Docket No.:	24061.48 / 2003-0059
Serial No.:	10/823,867	§	Examiner:	TBD
Filing Date:	April 14, 2004	§	Art Unit:	2121
Entitled:	Job Flow Petri Net and Controlling Mechanism for Parallel Processing	§	Conf. No.:	6172

TRANSMITTAL

Commissioner for Patents
Mail Stop: Petitions
P.O. Box 1450
Alexandria, VA 22313-1450

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MAY 25 2005
OFFICE OF PETITIONS

Dear Sir:

In response to the Decision Refusing Status Under 37 CFR 1.47(a) mailed on March 18, 2005, enclosed are the following:

1. Request for Reconsideration of Petition Under 37 CFR 1.47(a);
2. Copy of correspondence and FedEx air waybill to Mr. Chuan-Jen Wu;
3. Copy of correspondence and FedEx air waybill to Mr. Tien-Hsiang Sun; and
4. a return receipt postcard.

Applicants believe no fee is due. However, the Commissioner is hereby authorized to charge any deficiency fees or credit any overpayments associated with this communication to Deposit Account No. 08-1394 of Haynes and Boone, LLP.

Respectfully submitted,

David M. O'Dell
Reg. No. 42,044

Date: 5-17-05
Haynes and Boone, LLP
901 Main Street, Suite 3100
Dallas, Texas 75202-2790
Telephone: 972-739-8635
Facsimile: 214-200-0853

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Bonnie Boyle
Name
5-17-05
Date

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JUL 14 2005



Docket No.: 24061.48 / 2003-0059
Customer No.: 42717

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Chuan-Jen Wu, et al.	§	Docket No.:	24061.48 / 2003-0059
Serial No.:	10/823,867	§	Examiner:	TBD
Filing Date:	April 14, 2004	§	Art Unit:	2121
Entitled:	Job Flow Petri Net and Controlling Mechanism for Parallel Processing	§	Conf. No.:	6172

REQUEST FOR RECONSIDERATION OF
PETITION UNDER 37 CFR §1.47(a)

Commissioner for Patents
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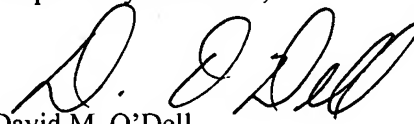
Dear Sir:

In response to the Decision Refusing Status Under 37 CFR 1.47(a) mailed on March 18, 2005, Applicants hereby request reconsideration of the petition. Granting of the petition was refused based on a lack of proof that the non-signing inventor(s) cannot be reached or refused to sign the oath or declaration after having been presented with the application papers (specification, claims and drawings).

Applicants submit that the application papers were in fact, mailed to the inventors last known residential address by registered mail (a copy of the registered mail certificates were provided). In a further attempt to obtain a signed declaration, applicants again mailed the application papers to the inventors residential address via FedEx, a copy of which is enclosed herewith.

A signed Declaration still has not been received by inventors, Chuan-Jen Wu and Tien-Hsiang Sun. Applicants submit that after a diligent effort, the inventors refuse to sign or cannot be reached. Furthermore, applicants submit that all the requirements under 37 CFR 1.47(a) have been satisfied and respectfully request that the Petition be granted and that the application be allowed to proceed with examination.

Respectfully submitted,


David M. O'Dell
Reg. No. 42,044

Date: 5-17-05
Haynes and Boone, LLP
901 Main Street, Suite 3100
Dallas, Texas 75202-2790
Telephone: 972-739-8635
Facsimile: 214-200-0853

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Bonnie Boyle
Name

5-17-05
Date

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haynesboone



April 7, 2005

Via FedEx

Mr. Chuan-Jen Wu
72 Jhuguang Rd.
Hsin-Chu, Taiwan 300.
Republic of China

RE: United States Patent Application
Serial No.: 10/823,867 Filed: April 14, 2004
Entitled: Job Flow Petri Net and Controlling Mechanism for Parallel Processing
TSMC ref.: 2003-0059
Our ref.: 24061.48

Dear Mr. Wu:

As you know, Taiwan Semiconductor Manufacturing Company, Ltd. instructed us to file the above-referenced patent application on their behalf. Enclosed for your review is a copy of the specification, including the claims and drawings as filed with the U.S. Patent and Trademark Office.

In order to complete the filing requirements, please execute the enclosed Declaration and Assignment. Please return the executed Declaration and Assignment to me before May 15, 2005 for filing with the U.S. Patent and Trademark Office. You may return the signed documents via facsimile to 972-692-9015.

Thank you for your help in this matter. Should you have any questions, please feel free to contact me.

Regards,

A handwritten signature in black ink, appearing to read 'Wei Wei Jeang'.

Wei Wei Jeang
Direct Phone: 972-739-8631
Direct Facsimile: 972-692-9015
jeangw@haynesboone.com

Enclosures

Haynes and Boone, LLP
Attorneys and Counselors
901 Main Street, Suite 3100
Dallas, Texas 75202-3789
Phone: 214.651.5000
Fax: 214.651.5940
www.haynesboone.com

From: Origin ID: TRLA (972) 680-7573
 Kelly Moreau
 HAYNES AND BOONE, L.L.P.
 2505 N. Plano Road
 Suite 4000
 RICHARDSON, TX 75082
 UNITED STATES



Ship Date: 08APR05
 Actual Wgt: 1 LB
 System#: 3840795/INET2000
 Account#: S *****

Total Weight: 1 LB

SHIP TO: 9727398631

BILL SENDER

Mr. Chuan-Jen Wu

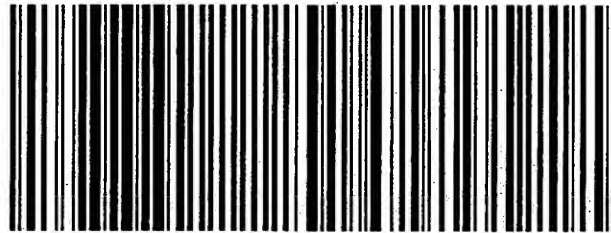
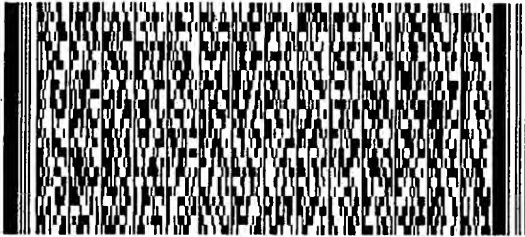
72 Jhuguang Road
 Hsin-Chu
 Republic of China, 300
 TW

REF: 24061.48
 DESC-1: correspondence
 DESC-2:
 DESC-3:
 DESC-4:
 SED: NDR30.55(h)
 COUNTRY MFG:
 CARRIAGE VALUE: 0.00 USD
 CUSTOMS VALUE: 0.00 USD
 T/C: S 221858905 D/T: S 221858905
 SIGN: Kelly Moreau
 EIN/VAT:

IP ENVELOPE

TRK# 7928 9214 3351 FORM 0430

300 --TW



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The Warsaw Convention, as amended, will then govern and in most cases limit FedEx's liability for loss, delay of, or damage to your shipment. The Warsaw Convention, as amended, limits FedEx's liability. For example in the U.S. liability is limited to \$9.07 per pound (20\$ per kilogram), unless a higher value for carriage is declared as described below and you pay any applicable supplementary charges. The interpretation and operation of the Warsaw Convention's liability limits may vary in each country. There are no specific stopping places which are agreed to and FedEx reserves the right to route the shipment in any way FedEx deems appropriate. ROAD TRANSPORT NOTICE. Shipments transported solely by road to or from a country which is a party to the Warsaw Convention or the Contract for the International Carriage of Goods by Road (the "CMR") are subject to the terms and conditions of the CMR, notwithstanding any other provision of this Air Waybill to the contrary. For those shipments transported solely by road, if a conflict arises between the provisions of the CMR and this Air Waybill, the terms of the CMR shall prevail. LIMITATION OF LIABILITY. If not governed by the Warsaw Convention, the CMR, or other international treaties, laws, other government regulations, orders, or requirements, FedEx's maximum liability for damage, loss, delay, shortage, misdelivery, nondelivery, misinformation or failure to provide information in connection with your shipment is limited by this Agreement and as set out in the terms and conditions of the contract of carriage. Please refer to the contract of carriage set forth in the applicable FedEx Service Guide or its equivalent to determine the contractual limitation. FedEx does not provide cargo liability or all-risk insurance, but you may an additional charge for each additional U.S. \$100 (or equivalent local currency for the country of origin) of declared value for carriage. 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Refer to the Convention to determine the claims period for your shipment. The right to damages against us shall be extinguished unless an action is brought within two years, as set forth in the Convention. FedEx is not obligated to act on any claim until all transportation charges have been paid. The claim amount may not be deducted from the transportation charges. If the recipient accepts the shipment without noting any damage on the delivery record, FedEx will assume the shipment was delivered in good condition. In order for us to consider a claim for damage, the contents, original shipping carton and packing must be made available to us for inspection. MANDATORY LAW. Insofar as any provision contained or referred to in this Air Waybill may be contrary to any applicable international treaties, laws, government regulations, orders or requirements such provisions shall remain in effect as a part of our agreement to the extent that it is not overridden. The invalidity or unenforceability of any provisions shall not affect any other part of this Air Waybill. Unless otherwise indicated, FEDERAL EXPRESS CORPORATION, 2005 Corporate Avenue, Memphis, TN 38132, USA, is the first carrier of this shipment. Email address located at www.fedex.com.



DOCKET NO.: 24061.48 (TSMC2003-0059)
CUSTOMER NO.: 42717

INVENTOR'S DECLARATION FOR PATENT APPLICATION

As below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names;

We believe we are the original, first and sole joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled

JOB FLOW PETRI NET AND CONTROLLING MECHANISM FOR PARALLEL PROCESSING

the specification of which: (check one)

_____ is attached hereto.

X was filed on April 14, 2004
under Attorney's Docket Number 24061.48 (TSMC2003-0059)
as Application Serial No. 10/823,867
and was amended on _____ (if applicable).

RECEIVED
MAY 25 2005
OFFICE OF PETITIONS

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF INVENTOR: Chuan-Jen Wu

INVENTOR'S SIGNATURE: _____

DATED: _____

RESIDENCE: Hsin-Chu, Taiwan, R.O.C.

POST OFFICE ADDRESS: 72 Jhunguang Rd.
Hsin-Chu, Taiwan 300, R.O.C.

CITIZENSHIP: Taiwan, R.O.C.

FULL NAME OF INVENTOR: Chyuarn-Jen Dai

INVENTOR'S SIGNATURE: _____

DATED: _____

RESIDENCE: Bade City, Taiwan, R.O.C.

POST OFFICE ADDRESS: 75 Dayi Street
Bade City, Taiwan 334, R.O.C.

CITIZENSHIP: Taiwan, R.O.C.

FULL NAME OF INVENTOR: Tien-Hsiang Sun

INVENTOR'S SIGNATURE: _____

DATED: _____

RESIDENCE: Taipei, Taiwan, R.O.C.

POST OFFICE ADDRESS: 21 Dunhua N. Rd.
Taipei, Taiwan 105, R.O.C.

CITIZENSHIP: Taiwan, R.O.C.

ASSIGNMENT

WHEREAS, we,

- | | | | |
|-----|-----------------|----|--|
| (1) | Chuan-Jen Wu | of | 72 Jhuguang Rd.
Hsin-Chu ,Taiwan 300
Republic of China |
| (2) | Chyuarn-Jen Dai | of | 75 Dayi St., Bade City
Taiwan 334
Republic of China |
| (3) | Tien-Hsiang Sun | of | 21 Dunhua N. Rd.
Taipei, Taiwan 105
Republic of China |

have invented certain improvements in

**JOB FLOW PETRI NET AND CONTROLLING
MECHANISM FOR PARALLEL PROCESSING**

for which we have executed an application for Letters Patent of the United States of America, filed on April 14, 2004 and assigned application number 10/823,867; and

WHEREAS, we authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

WHEREAS, Taiwan Semiconductor Manufacturing Company, Ltd., ("TSMC"), No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, Republic of China. is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said TSMC, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said TSMC, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said TSMC, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said TSMC, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

Inventor Name: Chuan-Jen Wu

Residence Address: 72 Jhunguang Rd.
Hsin-Chu, Taiwan 300, R.O.C.
Taiwan, R.O.C.

Dated: _____

Inventor Signature

Inventor Name: Chyuarn-Jen Dai

Residence Address: 75 Dayi St.
Bade City, Taiwan 334, R.O.C.

Dated: _____

Inventor Signature

Inventor Name: Tien-Hsiang Sun

Residence Address: 21 Dunhua N. Rd.
Taipei, Taiwan 105, R.O.C.
Taiwan, R.O.C.

Dated: _____

Inventor Signature

haynesboone

April 7, 2005

Via FedEx

Mr. Tien-Hsiang Sun
21 Dunhua N. Rd.
Taipei, Taiwan 105
Republic of China

RE: United States Patent Application
Serial No.: 10/823,867 Filed: April 14, 2004
Entitled: Job Flow Petri Net and Controlling Mechanism for Parallel Processing
TSMC ref.: 2003-0059
Our ref.: 24061.48

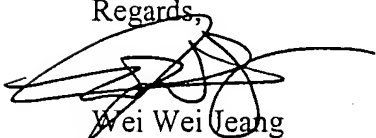
Dear Mr. Sun:

As you know, Taiwan Semiconductor Manufacturing Company, Ltd. instructed us to file the above-referenced patent application on their behalf. Enclosed for your review is a copy of the specification, including the claims and drawings as filed with the U.S. Patent and Trademark Office.

In order to complete the filing requirements, please execute the enclosed Declaration and Assignment. Please return the executed Declaration and Assignment to me before May 15, 2005 for filing with the U.S. Patent and Trademark Office. You may return the signed documents via facsimile to 972-692-9015.

Thank you for your help in this matter. Should you have any questions, please feel free to contact me.

Regards,



Wei Wei Jeang

Direct Phone: 972-739-8631

Direct Facsimile: 972-692-9015

jeangw@haynesboone.com

Enclosures

Haynes and Boone, LLP
Attorneys and Counselors
901 Main Street, Suite 3100
Dallas, Texas 75202-3789
Phone: 214.651.5000
Fax: 214.651.5940
www.haynesboone.com

From: Origin ID: TRLA (972) 680-7573
 Kelly Moreau
 HAYNES AND BOONE, L.L.P.
 2505 N. Plano Road
 Suite 4000
 RICHARDSON, TX 75082
 UNITED STATES



Ship Date: 08APR05
 Actual Wgt: 1 LB
 System#: 3840795/INET2000
 Account#: S *****

Total Weight: 1 LB

SHIP TO: 0727398631
Mr. Tien-Hsiang Sun

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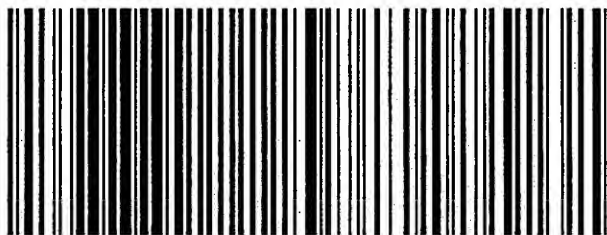
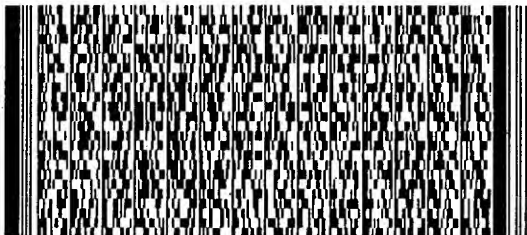
21 Dunhua N. Road
 Taipei
 Republic of China, 105
 TW

REF: 24061.48
 DESC-1: correspondence
 DESC-2:
 DESC-3:
 DESC-4:
 SED: NDR30.55(h)
 COUNTRY MFG:
 CARRIAGE VALUE: 0.00 USD
 CUSTOMS VALUE: 0.00 USD
 T/C: S 221858905 D/T: S 221858905
 SIGN: Kelly Moreau
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The Warsaw Convention, as amended, will then govern and in most cases limit FedEx's liability for loss, delay of, or damage to your shipment. The Warsaw Convention, as amended, limits FedEx's liability. For example in the U.S. liability is limited to \$9.07 per pound (20\$ per kilogram), unless a higher value for carriage is declared as described below and you pay any applicable supplementary charges. The interpretation and operation of the Warsaw Convention's liability limits may vary in each country. There are no specific stopping places which are agreed to and FedEx reserves the right to route the shipment in any way FedEx deems appropriate. **ROAD TRANSPORT NOTICE.** Shipments transported solely by road to or from a country which is a party to the Warsaw Convention or the Contract for the International Carriage of Goods by Road (the "CMR") are subject to the terms and conditions of the CMR, notwithstanding any other provision of this Air Waybill to the contrary. For those shipments transported solely by road, if a conflict arises between the provisions of the CMR and this Air Waybill, the terms of the CMR shall prevail. **LIMITATION OF LIABILITY.** If not governed by the Warsaw Convention, the CMR, or other international treaties, laws, other government regulations, orders, or requirements, FedEx's maximum liability for damage, loss, delay, shortage, misdelivery, nondelivery, misinformation or failure to provide information in connection with your shipment is limited by this Agreement and as set out in the terms and conditions of the contract of carriage. Please refer to the contract of carriage set forth in the applicable FedEx Service Guide or its equivalent to determine the contractual limitation. FedEx does not provide cargo liability or all-risk insurance, but you may an additional charge for each additional U.S. \$100 (or equivalent local currency for the country of origin) of declared value for carriage. If a higher value for carriage is declared and the additional charge is paid, FedEx's maximum liability will be the lesser of the declared value for carriage or your actual damages. **LIABILITIES NOT ASSUMED. IN ANY EVENT, FEDEX WON'T BE LIABLE FOR ANY DAMAGES, WHETHER DIRECT, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL IN EXCESS OF THE DECLARED VALUE FOR CARRIAGE (INCLUDING BUT NOT LIMITED TO LOSS OF INCOME OR PROFITS) OR THE ACTUAL VALUE OF THE SHIPMENT, IF LOWER, WHETHER OR NOT FEDEX HAD ANY KNOWLEDGE THAT SUCH DAMAGES MIGHT BE INCURRED.** FedEx won't be liable for your acts or omissions, including but not limited to incorrect declaration of cargo, improper or insufficient packaging, securing, marking or addressing of the shipment, or for the acts or omissions of the recipient or anyone else with an interest in the shipment or violations by any party of the terms of this agreement. 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Refer to the Convention to determine the claims period for your shipment. The right to damages against us shall be extinguished unless an action is brought within two years, as set forth in the Convention. FedEx is not obligated to act on any claim until all transportation charges have been paid. The claim amount may not be deducted from the transportation charges. If the recipient accepts the shipment without noting any damage on the delivery record, FedEx will assume the shipment was delivered in good condition. In order for us to consider a claim for damage, the contents, original shipping carton and packing must be made available to us for inspection. **MANDATORY LAW.** Insofar as any provision contained or referred to in this Air Waybill may be contrary to any applicable international treaties, laws, government regulations, orders or requirements such provisions shall remain in effect as a part of our agreement to the extent that it is not overridden. The invalidity or unenforceability of any provisions shall not affect any other part of this Air Waybill. Unless otherwise indicated, **FEDERAL EXPRESS CORPORATION, 2005 Corporate Avenue, Memphis, TN 38132, USA,** is the first carrier of this shipment. Email address located at www.fedex.com.



DOCKET NO.: 24061.48 (TSMC2003-0059)
CUSTOMER NO.: 42717

**INVENTOR'S DECLARATION FOR
PATENT APPLICATION**

As below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names;

We believe we are the original, first and sole joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled

**JOB FLOW PETRI NET AND CONTROLLING MECHANISM
FOR PARALLEL PROCESSING**

the specification of which: (check one)

_____ is attached hereto.

 X was filed on April 14, 2004
under Attorney's Docket Number 24061.48 (TSMC2003-0059)
as Application Serial No. 10/823,867
and was amended on _____ (if applicable).

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF INVENTOR: Chuan-Jen Wu

INVENTOR'S SIGNATURE: _____

DATED: _____

RESIDENCE: Hsin-Chu, Taiwan, R.O.C.

POST OFFICE ADDRESS: 72 Jhunguang Rd.
Hsin-Chu, Taiwan 300, R.O.C.

CITIZENSHIP: Taiwan, R.O.C.

FULL NAME OF INVENTOR: Chyuarn-Jen Dai

INVENTOR'S SIGNATURE: _____

DATED: _____

RESIDENCE: Bade City, Taiwan, R.O.C.

POST OFFICE ADDRESS: 75 Dayi Street
Bade City, Taiwan 334, R.O.C.

CITIZENSHIP: Taiwan, R.O.C.

FULL NAME OF INVENTOR: Tien-Hsiang Sun

INVENTOR'S SIGNATURE: _____

DATED: _____

RESIDENCE: Taipei, Taiwan, R.O.C.

POST OFFICE ADDRESS: 21 Dunhua N. Rd.
Taipei, Taiwan 105, R.O.C.

CITIZENSHIP: Taiwan, R.O.C.

ASSIGNMENT

WHEREAS, we,

- | | | | |
|-----|-----------------|----|--|
| (1) | Chuan-Jen Wu | of | 72 Jhuguang Rd.
Hsin-Chu, Taiwan 300
Republic of China |
| (2) | Chyuarn-Jen Dai | of | 75 Dayi St., Bade City
Taiwan 334
Republic of China |
| (3) | Tien-Hsiang Sun | of | 21 Dunhua N. Rd.
Taipei, Taiwan 105
Republic of China |

have invented certain improvements in

**JOB FLOW PETRI NET AND CONTROLLING
MECHANISM FOR PARALLEL PROCESSING**

for which we have executed an application for Letters Patent of the United States of America, filed on April 14, 2004 and assigned application number 10/823,867; and

WHEREAS, we authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

WHEREAS, Taiwan Semiconductor Manufacturing Company, Ltd., ("TSMC"), No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, Republic of China. is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said TSMC, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said TSMC, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said TSMC, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said TSMC, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

Inventor Name: Chuan-Jen Wu

Residence Address: 72 Jhunguang Rd.
Hsin-Chu, Taiwan 300, R.O.C.
Taiwan, R.O.C.

Dated: _____

Inventor Signature

Inventor Name: Chyuarn-Jen Dai

Residence Address: 75 Dayi St.
Bade City, Taiwan 334, R.O.C.

Dated: _____

Inventor Signature

Inventor Name: Tien-Hsiang Sun

Residence Address: 21 Dunhua N. Rd.
Taipei, Taiwan 105, R.O.C.
Taiwan, R.O.C.

Dated: _____

Inventor Signature
